

DS30



Brightest and Lightest for Punchy Images

Christie's DS30 is the brightest single-chip DLP projector on the market. Delivering big-box brightness with SXGA resolution in an ultra-portable package, the DS30 is the perfect high-end presenter's resource. The world's first single-chip SXGA projector, the DS30 gives you consistent, professional images, ideal for mid-sized conference rooms, boardrooms, training rooms and high-resolution 2D modeling design work such as bio-technical applications, architectural and engineering CAD drawings.

The DS30 uses the latest Double Data Rate (DDR) DMD™, weighs just 6.6lbs and features 3000 ANSI lumens and a super-high contrast ratio of 1000:1 for crisp, punchy images and detailed presentations in even the most challenging high-ambient light environments. The sealed optical engine is a filter-less, all-glass design, that eliminates dust and contamination. The DS30 is perfect for smoky or dusty environments such as bars or clubs.

Lightweight and flexible, the DS30 is easy to share and perfect for unobtrusive installations. The compact design and whisper-quiet 28dB operation lets the audience concentrate on the presentation, not the technology. With front, rear and ceiling mount options, vertical and horizontal keystone correction and user-selectable aspect ratios, your presentation is perfectly positioned, precisely the way you want it every time. If space is limited, the DS30W comes pre-configured with a short-throw lens offering a 1:1 throw ratio.

It's easy to connect to virtually every computer or video source on the market with the source compatibility of the DS30. There's full support of international TV standards including analog and digital HDTV standards and digital and analog data sources. Set-up is simple straight out of the box with an intuitive user interface and a universal power supply. Featuring RS232 control and the option of ChristieNET™ compatibility, running and monitoring the DS30 couldn't be easier.

The single user-replaceable 250W UHP lamp gives you 2000 hours of low-cost reliability that you can trust. The optional hard-sided Christie shipping case protects your investment when on the road while the included soft-sided carrying case lets you travel easily between venues.

Portable, bright, powerful images – in one compact package.

- Single-chip DDR (double data rate) DMD™ display
- 1280x1024 SXGA native resolution
- 3000 ANSI lumens
- 1000:1 contrast ratio
- Compact, lightweight design
- Robust magnesium alloy cabinet
- Filter-less, all-glass sealed optical engine
- Auto set-up
- Digital keystone (vertical and horizontal)
- User-replaceable lamp

APPLICATIONS

- Boardrooms, conference rooms
- Training rooms, classrooms
- 2D high-resolution design centers, modeling
- Information displays


Project. Present. Perform.

DS30 • Specifications

Brightness

- 3000 ANSI lumens

Contrast Ratio

- 1000:1

Resolution

- Single-chip DDR DMD™ Optical System featuring new Dark Metal (DM3) DMD™ for improved black level and contrast ratio
- True SXGA (1280 x 1024) resolution
- 8-bit digital color processing offering 16.7 million displayable colors

Dynamic Scaling

- Digital scaling of VGA up to UXGA

Horizontal Frequency

- 15-100kHz

Vertical Frequency

- 50-100Hz

Dot Clock

- 205MHz (Analog RGB)
- 165MHz (Digital RGB: DVI-D)

- User selectable aspect ratios 5:4, 16:9 and 4:3
- Digital horizontal and vertical keystone correction

Source Compatibility

- Compatibility with VGA, SVGA, XGA, SXGA, SXGA+ and UXGA
- Resizing processing for computers and workstations from VGA (640 x 480) up to UXGA (1600 x 1200) resolution
- Accepts composite video, S-video (Y/C), component video (YUV) and HDTV (YPbPr)
- Auto detects NTSC, NTSC 4.43, PAL, PAL M, PAL N, SECAM
- Faroudja™ DCDi®, 10-bit motion adaptive de-interlacing
- Automatic film detection mode with 3:2 and 2:2 pull down
- Separate, composite sync and sync-on-green compatible
- HDTV Tri-level sync compatible for various HDTV formats (1080i, 720p, 576i/p, 480i/p)
- User selectable aspect ratios 5:4, 16:9 and 4:3
- Digital horizontal and vertical keystone correction

- Current rating: 4 A maximum at 100-120 V AC, 2 A maximum at 200-240 V AC
- Thermal dissipation: 1375 BTU/hr maximum

Environmental

- Operating Temperature: 0 - 35° C (32-95° F)
- Storage Temperature: -30 - 60° C (-22-140° F)
- Operating Humidity: 20 - 90% non-condensing
- Storage Humidity: 0 - 90% non-condensing
- Acoustic noise level 28 dB achieved with a proprietary air flow and fan system

Diagnostics

- Built-in diagnostic LED
- Lamp life warning indicator
- Full remote diagnostics through RS232 9-pin D connector

Size and Weight

- 3.0kg / 6.6 lbs
- 9.6" L x 11" W x 3.4" H
- 245mm L x 280mm W x 88 mm H

Standard Accessories

- IR Wireless Remote Keypad (with two "AAA" type batteries included)

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Designed under ISO 9001



CHRISTIE
Project. Present. Perform.

WWW.CHRISTIEDIGITAL.COM

FEATURES



- Standard zoom lens with manual zoom and focus and adjustable front and rear feet for perfect image placement.



- Lightweight, compact and quiet, the DS30 is an excellent shared resource.



- The DS30 is capable of projecting any common source from data to video to HDTV.

Standard Projection Lens

DS30

- Standard zoom lens
- Projection distance: 5' - 33' (1.5m - 10m)
- Screen size: 2.5' - 18' (0.7m - 5.5m)
- Manual zoom, focus

DS30W

- Short-throw fixed lens
- 1:1 throw ratio
- (f28, F17.9mm)

Modular Inputs

- HD15 (x2)
- DVI-D (x1)
- Composite video (1 x RCA)
- Component video (3x RCA)
- S-video Y/C (4-pin mini-DIN)
- Audio (4 inputs for data and video sources, 3.5mm stereo mini-jacks)
- USB mouse
- RS232 control

Outputs

- Analog RGB HD15 (x1)
- Audio out (3.5mm stereo mini-jack)
- Compatibility with VGA, SVGA, XGA, SXGA, SXGA+ and UXGA
- Resizing processing for computers and workstations from VGA (640 x 480) up to UXGA (1600 x 1200) resolution
- Accepts composite video, S-video (Y/C), component video (YUV) and HDTV (YPbPr)
- Auto detects NTSC, NTSC 4.43, PAL, PAL M, PAL N, SECAM
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Enhanced Feature Set

- IR remote with direct key controls, mouse and laser pointer
- Front, rear and ceiling mount installation options
- User-selectable image aspect ratios: 5:4, native (source dependent) and wide 16:9
- Intuitive on-screen display (OSD) menus
- Service menu
- Multiple language support
- Auto set-up feature
- Volume control and mute
- Soft-sided carrying case
- Cable cover for ceiling mount installations

Control/Networking

- USB type B port for mouse and firmware upgrades
- RS232 communication port via DB9 connector
- IR Remote multi-function keypad with direct key controls, mouse and laser pointer
- Front and rear IR receivers
- Built-in keypad
- Optional ChristieNET™ networking for remote control, monitoring and diagnostics

Graphical User Interface

- Fast operation multi-function keypad

Lamp Specification

- 250W UHP lamp
- 2000 hours of rated lamp life
- User replaceable lamp
- Pre-aligned lamp module

Power Requirements

- Universal voltage range (auto-switching) 90-260V AC
- Line frequency: 50 - 60 Hz nominal
- Power consumption: 350 W typical, 400W maximum
- In-rush current rating: 50A maximum

- User Manual with Warranty Registration Card
- Computer HD15 RGB cable
- DVI-D cable
- Composite video cable
- S-video cable
- Audio cable
- USB cable
- Lens cover
- AC cord (US and European versions)
- Soft-sided carrying case
- Cable cover for ceiling mount installations

Optional

- Replacement lamp module
- Transit case
- ChristieNET network interface for monitoring and control

Regulatory Approvals

- Safety: CSA C22.2 No. 950, UL 1950, EN60950 European Norm "Safety of Information Technology Equipment"
- Complies with relevant worldwide EMC and safety standards
- The product complies with FCC Class A and EN55022 Class A requirements
- This product conforms to all relevant European directives, standards, safety, health and environmental concerns and bears the CE marking

Warranty

- Product warranty, two years parts and labor (excluding lamp)
- Lamp - 120 days or 500 hours

Reliability

- Mean time between failure (MTBF) over 14000 hours